GENLED Brands
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Report No.: **Test Time: 2022/8/29 12:34**

Luminaire Property

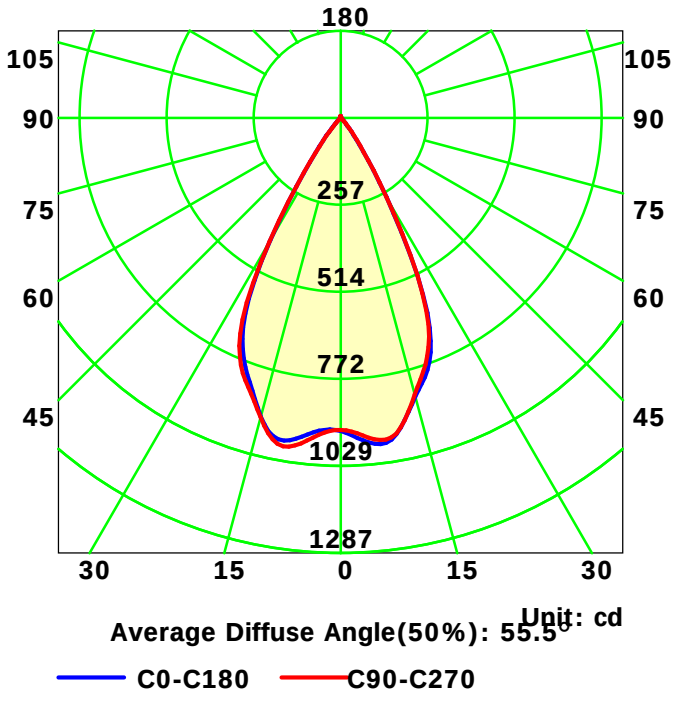
Luminaire Manufacturer:
Luminaire Category: PNM24060WH **Luminaire Description: PNM24060WH**
Luminous Length (mm): 545 **Luminous Width (mm): 65**
Luminous Height (mm): 22 **Voltage: 24.0 V**
Current: 0.412 A **Power: 9.89 W**
Power Factor: 1.000

Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 733.9 lm**
Measurement Flux: 733.9 lm **Efficiency: 100%**
Downward Ratio: 98% **Upward Ratio: 2%**
Horizontal Diffuse Angle(10%,50%): H72.5,H55.5
Vertical Diffuse Angle(10%,50%): V72.5,V55.6
Luminaire Efficacy Rating (LER): 74 **Central Intensity: 926.51 cd**
Max. Intensity: 989.83 cd **Pos of Max. Intensity: H240 V10**

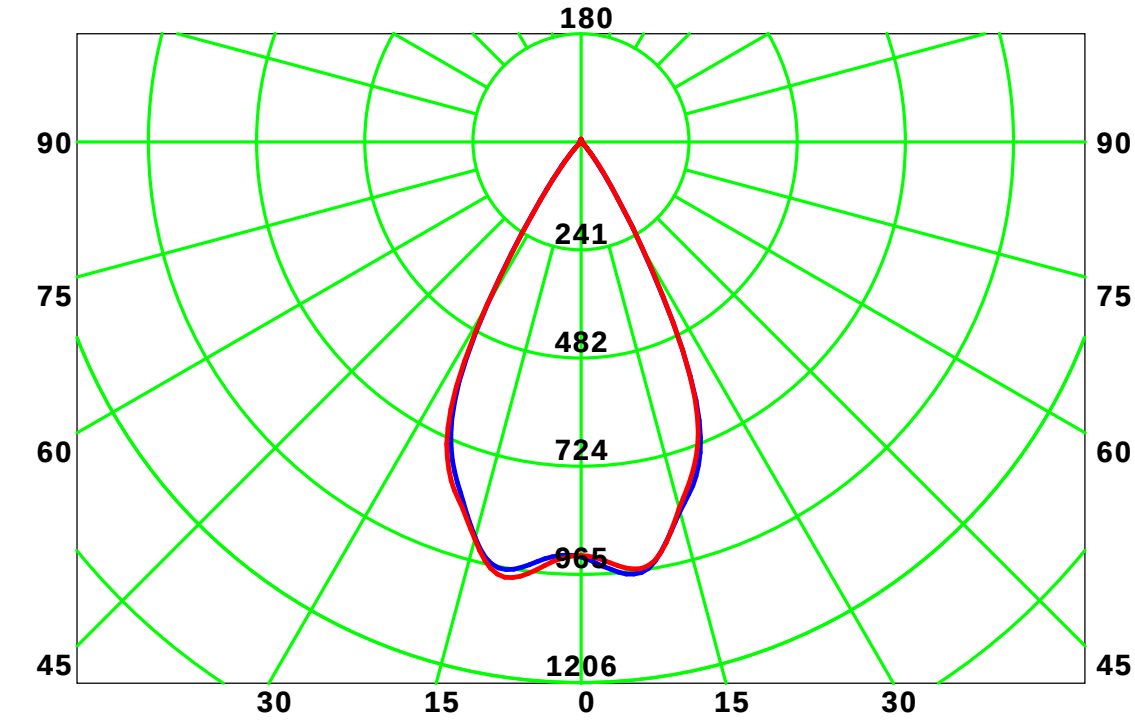
Picture Of Luminaire

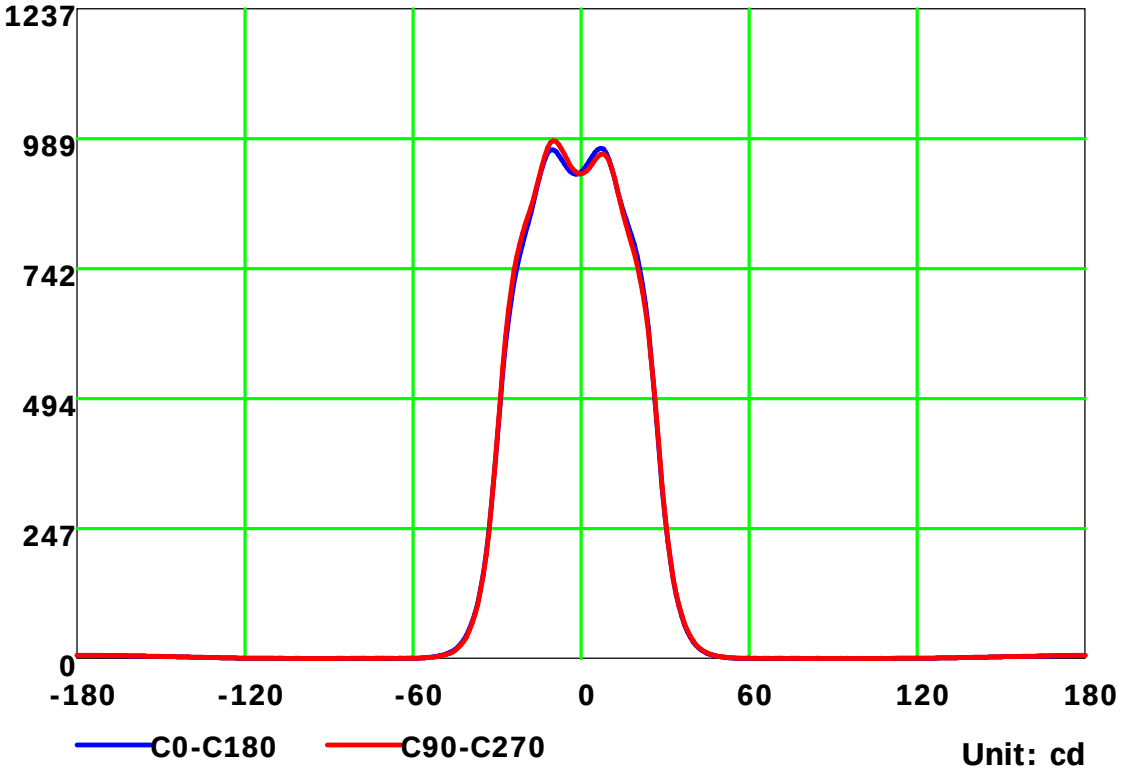
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0 **Gamma Plane (°):0.0-180.0:1.0**
Test Lab: **Test Device: GPM-1800B**
Test Type: TYPE C **Distance: 9.028 m**
Temperature: 25 **Humidity: 60%**
Operator: Jacky **Inspector:**

Luminous Intensity Distribution Curve

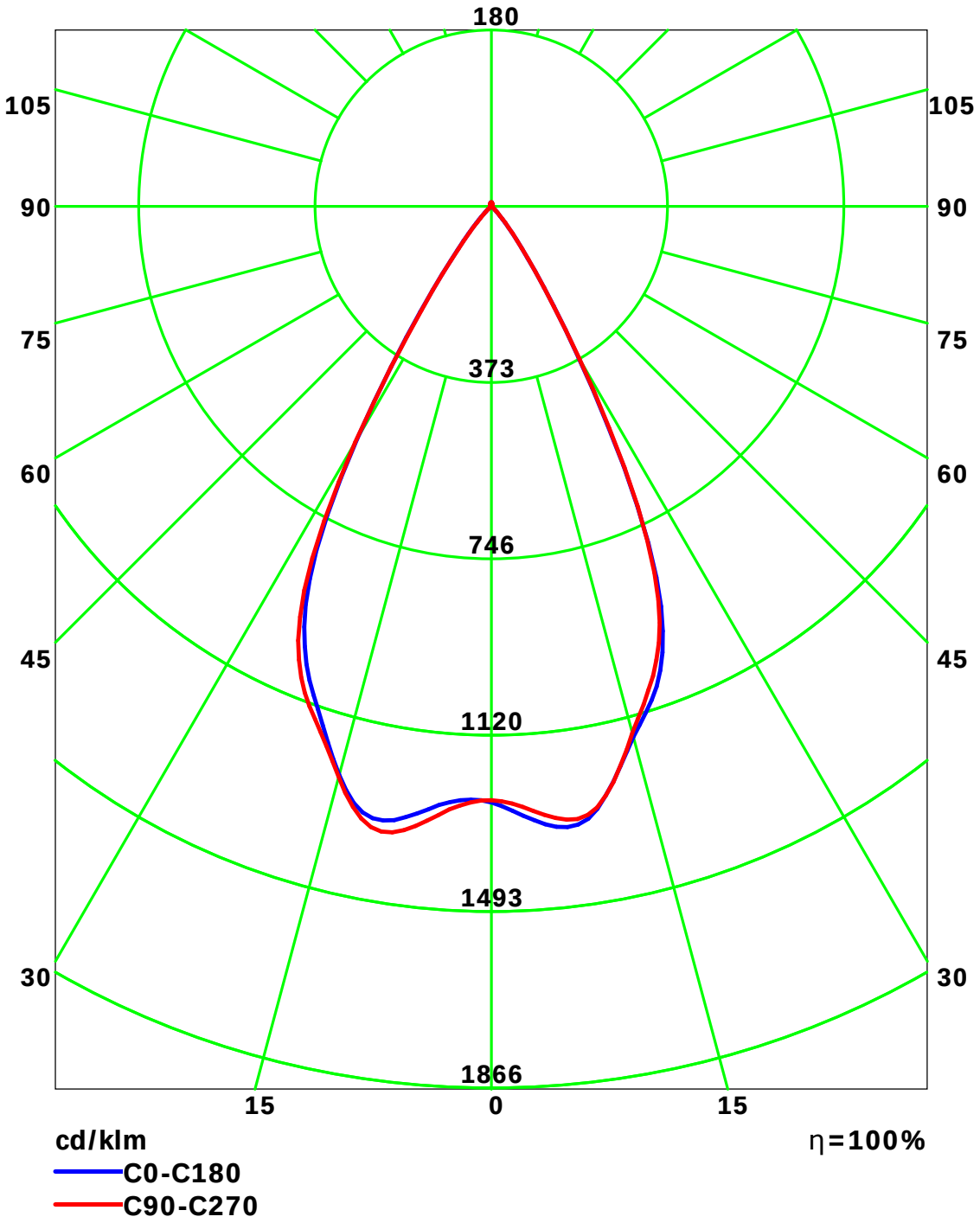




C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

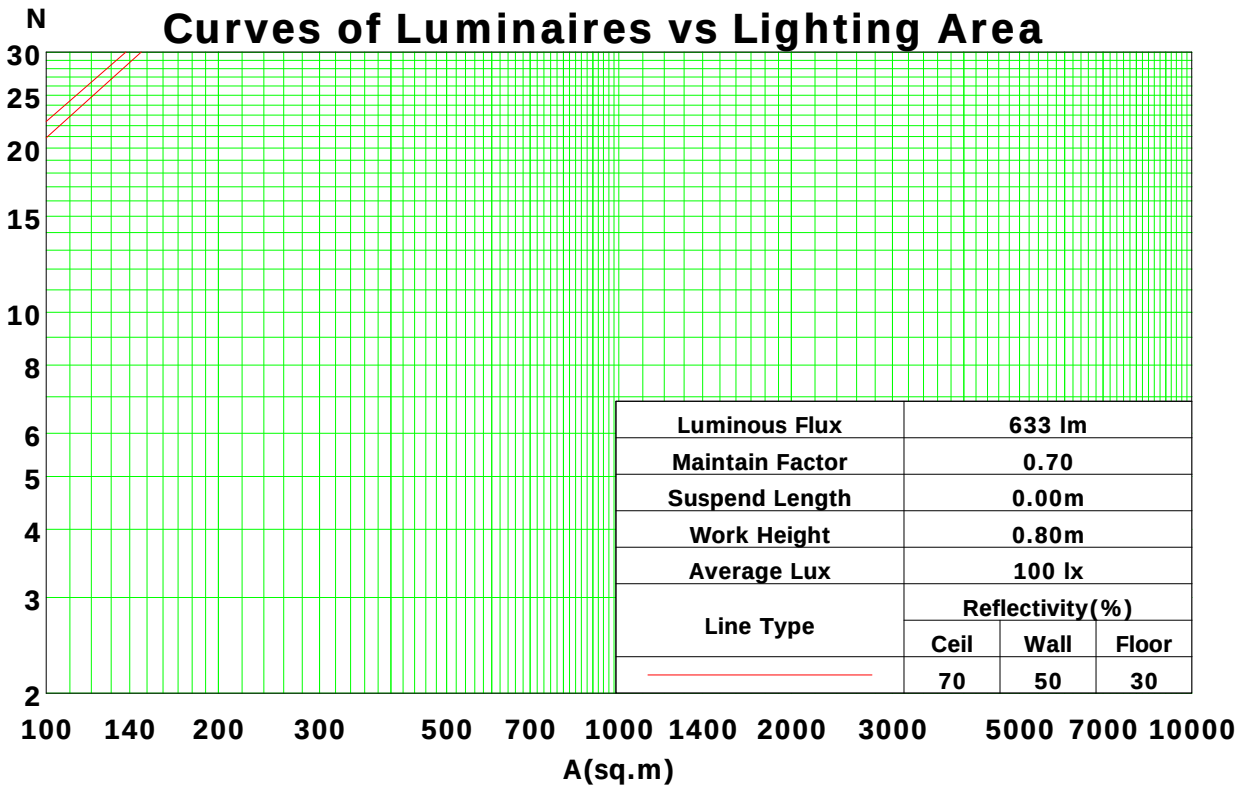
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	98
1	114	111	109	107	111	109	107	105	104	103	101	100	99	98	97	96	95	93
2	108	104	100	97	106	102	99	96	99	96	94	96	93	91	93	91	89	88
3	104	98	93	90	102	96	92	89	93	90	87	91	88	86	88	86	84	83
4	99	92	87	83	97	91	86	83	89	85	81	86	83	80	84	82	79	78
5	95	87	82	78	93	86	81	77	84	80	76	82	78	76	81	77	75	73
6	90	82	77	73	89	81	76	72	80	75	72	78	74	71	77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	68	74	70	67	73	70	67	66
8	83	74	68	65	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	58	65	60	57	64	60	57	56

Spacing Criteria (0-180): 0.94
Spacing Criteria (90-270): 0.95
Spacing Criteria (Diagonal): 0.81

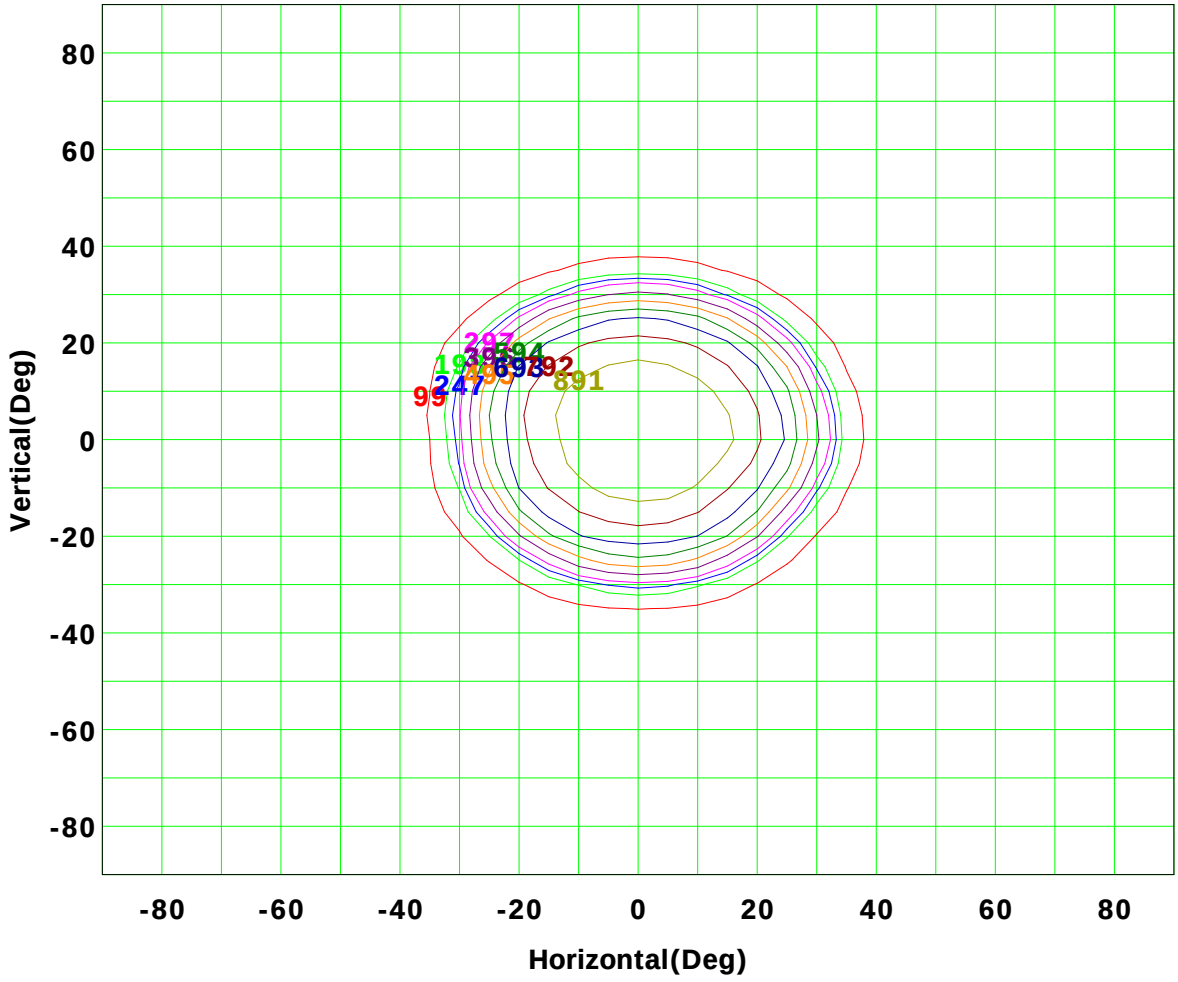
Curves of Luminaires vs Lighting Area



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Isocandela (rectangle)



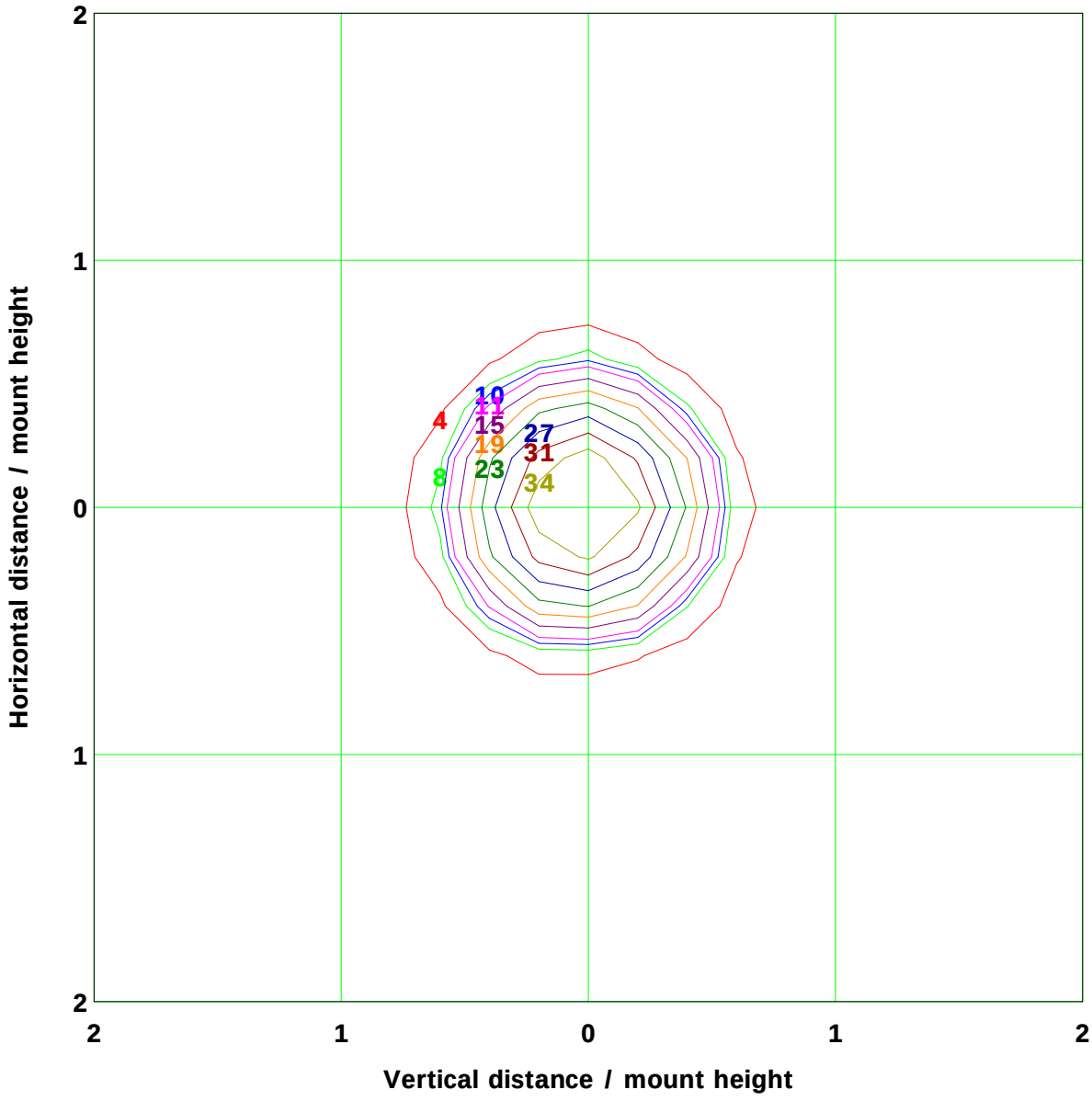
Imax (100%): 990 cd

(10%): 99 cd	(20%): 198 cd
(25%): 247 cd	(30%): 297 cd
(40%): 396 cd	(50%): 495 cd
(60%): 594 cd	(70%): 693 cd
(80%): 792 cd	(90%): 891 cd

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 38.1 lx

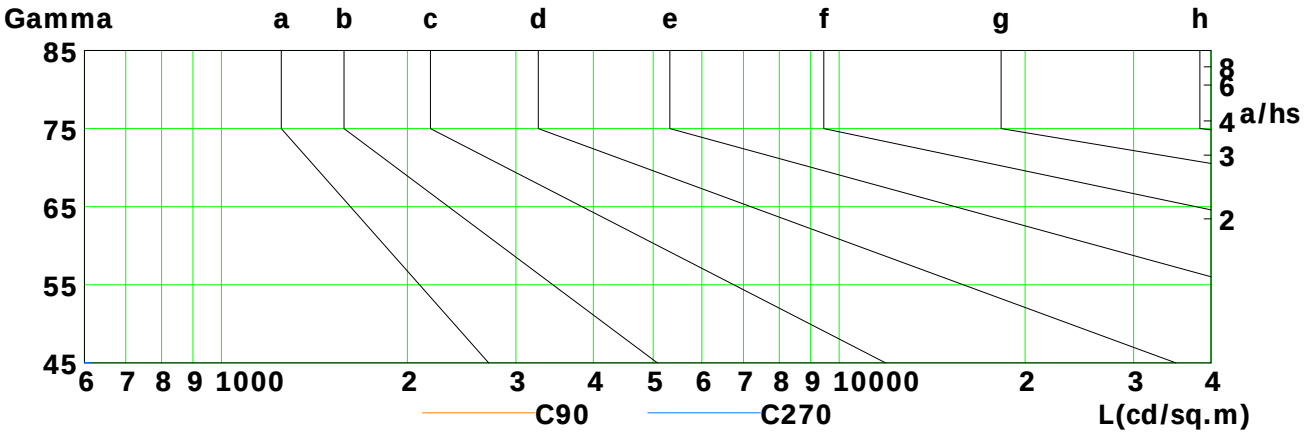
(10%): 3.8 lx	(20%): 7.6 lx
(25%): 9.5 lx	(30%): 11.4 lx
(40%): 15.3 lx	(50%): 19.1 lx
(60%): 22.9 lx	(70%): 26.7 lx
(80%): 30.5 lx	(90%): 34.3 lx

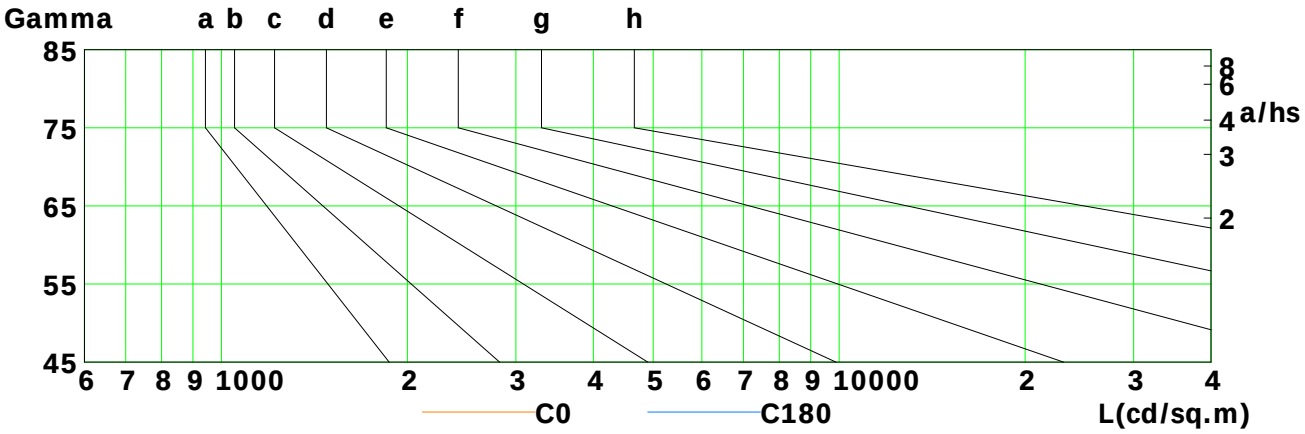
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



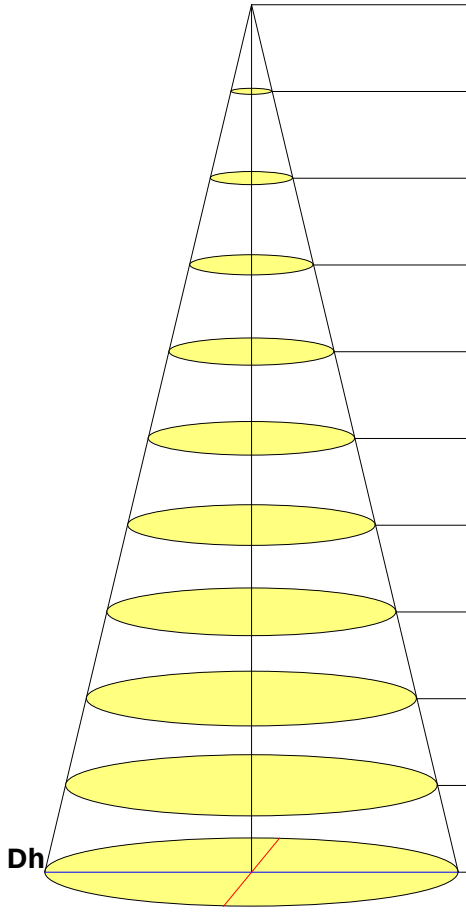


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	304	110	37	22	23	24	28	31	37
C90	427	166	65	37	41	52	61	78	135
C180	537	199	75	27	24	25	28	33	39
C270	615	227	94	40	45	45	56	81	135

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Illuminance at a Distance



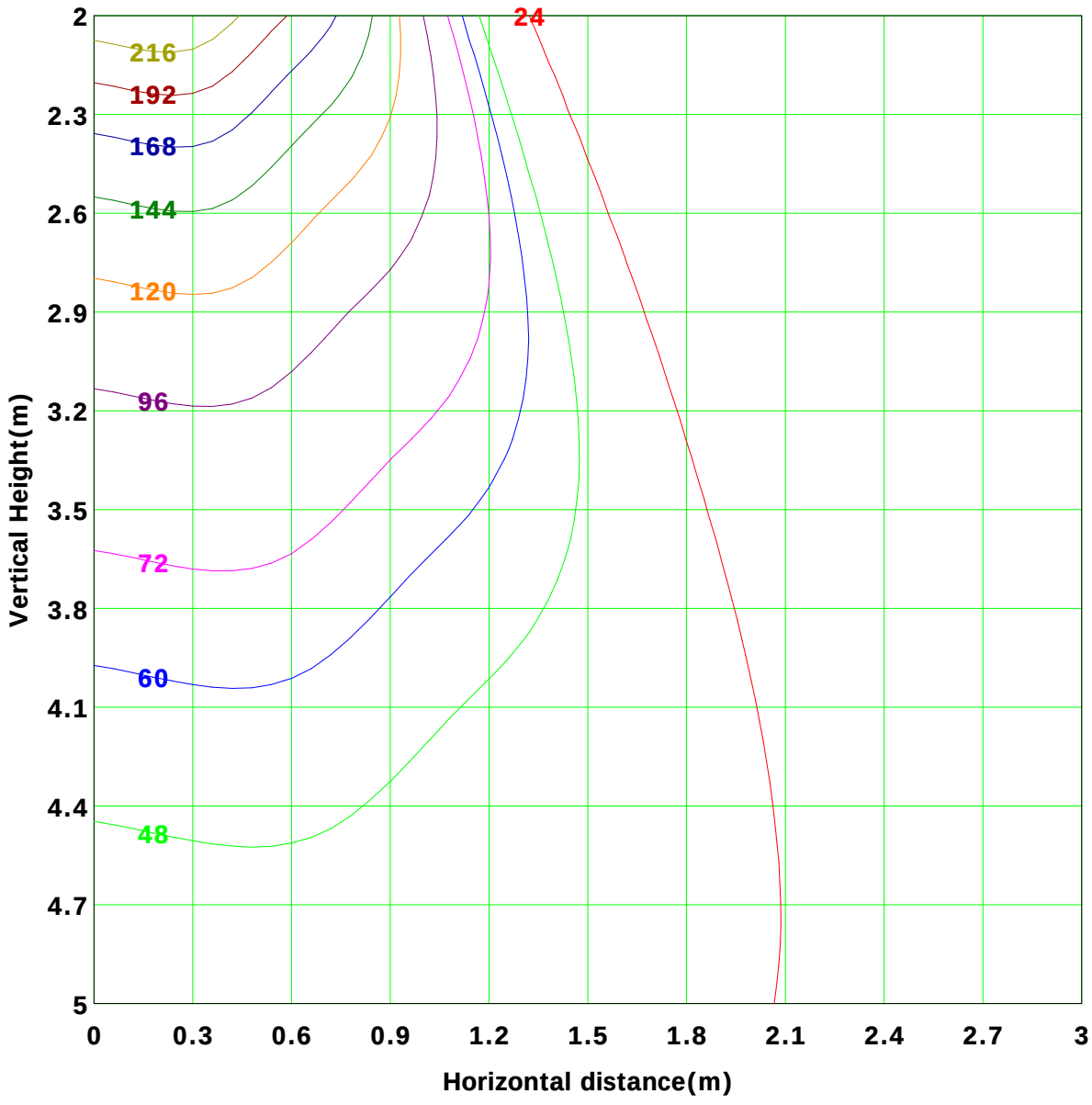
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	926.51	1.05/1.05	0.9	376.99
2.0	231.63	2.10/2.11	3.5	94.25
3.0	102.95	3.15/3.16	7.9	41.89
4.0	57.91	4.21/4.21	14.0	23.56
5.0	37.06	5.26/5.27	21.8	15.08
6.0	25.74	6.31/6.32	31.4	10.47
7.0	18.91	7.36/7.37	42.8	7.69
8.0	14.48	8.41/8.43	55.9	5.89
9.0	11.44	9.46/9.48	70.7	4.65
10.0	9.27	10.51/10.54	87.3	3.77

Beam Angle(B): H55.5 V55.6 Field Angle(F): H72.5 V72.5

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Vertical IsoLux Plot



Lowest(m): 2.0m Highest(m): 5.0m Max Lux: 239.4 lx

(10%): 23.9 lx
(20%): 47.9 lx
(25%): 59.9 lx
(30%): 71.8 lx
(40%): 95.8 lx
(50%): 119.7 lx
(60%): 143.7 lx
(70%): 167.6 lx
(80%): 191.6 lx
(90%): 215.5 lx

C Plane (°):0.0-360.0: 30.0
Gamma Plane (°):0.0-180.0:1.0
Test Lab:
Test Device: GPM-1800B
Test Type: TYPE C
Distance: 9.028 m
Temperature: 25
Humidity: 60%
Operator: Jacky
Inspector:

Area Flux Table

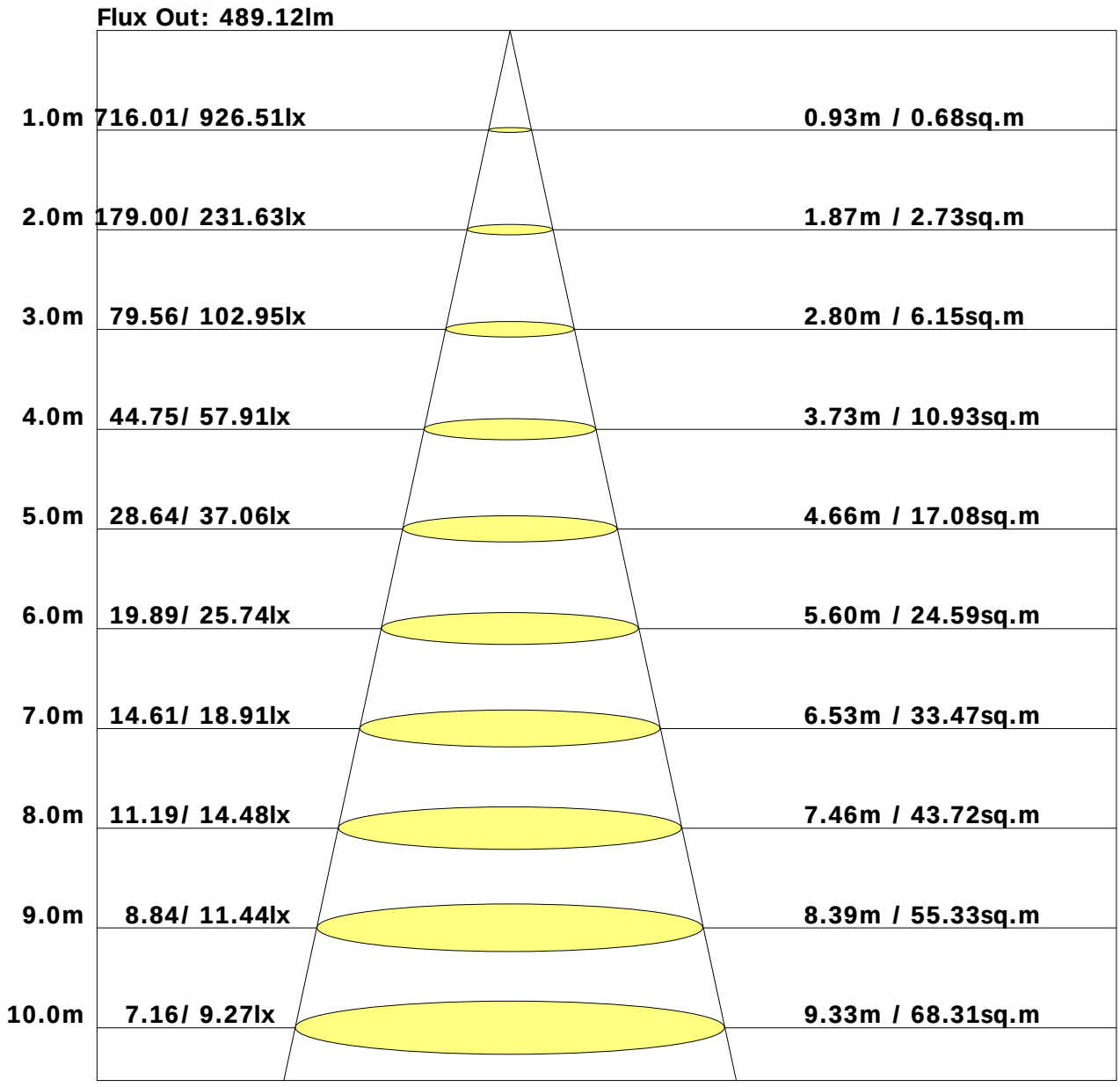
Unit: lm

Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane																					
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		689
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	723	0.0
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0
-30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.5	13.5
-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.2	77.3
-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	131.9	129.7
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	151.6	149.4
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145.7	143.5
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	115.2	112.7
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	56.7
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	6.3
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Flux(T)	0.0	0.1	0.1	0.3	2.0	15.6	68.6	125.8	155.5	155.0	123.1	62.6	11.9	1.4	0.3	0.1	0.1	0.0	0.0		
Flux(E)	0.0	0.0	0.0	0.0	0.0	10.4	65.2	122.8	152.6	152.2	120.2	59.2	6.5	0.0	0.0	0.0	0.0	0.0	0.0		

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

The Average Illuminance Effective Figure



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Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-14.9	-14.0	-14.5	-13.7	-13.3	-15.8	-14.9	-15.4	-14.6	-14.2
3H	-12.8	-12.0	-12.4	-11.6	-11.2	-13.7	-12.9	-13.3	-12.5	-12.1
4H	-11.4	-10.7	-11.0	-10.3	-9.9	-12.5	-11.8	-12.1	-11.4	-11.0
6H	-9.8	-9.2	-9.4	-8.8	-8.3	-11.2	-10.5	-10.7	-10.1	-9.7
8H	-9.0	-8.4	-8.5	-8.0	-7.5	-10.6	-10.0	-10.1	-9.6	-9.1
12H	-7.9	-7.4	-7.5	-6.9	-6.5	-9.9	-9.3	-9.4	-8.9	-8.4
X=4H Y=2H	-14.6	-13.9	-14.2	-13.5	-13.1	-15.3	-14.6	-14.9	-14.2	-13.8
3H	-12.1	-11.5	-11.7	-11.1	-10.6	-12.8	-12.2	-12.3	-11.7	-11.3
4H	-10.5	-9.9	-10.0	-9.5	-9.0	-11.4	-10.9	-10.9	-10.4	-9.9
6H	-8.7	-8.2	-8.2	-7.7	-7.2	-9.9	-9.4	-9.4	-9.0	-8.5
8H	-7.8	-7.3	-7.2	-6.9	-6.3	-9.2	-8.8	-8.7	-8.3	-7.8
12H	-6.6	-6.2	-6.1	-5.7	-5.2	-8.4	-8.0	-7.9	-7.5	-7.0
X=8H Y=4H	-10.1	-9.6	-9.5	-9.2	-8.6	-10.8	-10.4	-10.3	-9.9	-9.4
6H	-8.0	-7.7	-7.5	-7.2	-6.6	-9.1	-8.8	-8.6	-8.2	-7.7
8H	-7.0	-6.7	-6.4	-6.1	-5.6	-8.2	-7.9	-7.7	-7.4	-6.9
12H	-5.6	-5.3	-5.0	-4.8	-4.2	-7.2	-7.0	-6.7	-6.5	-5.9
X=12H Y=4H	-10.0	-9.6	-9.5	-9.1	-8.6	-10.7	-10.3	-10.2	-9.8	-9.3
6H	-7.9	-7.6	-7.3	-7.1	-6.5	-8.9	-8.6	-8.3	-8.1	-7.5
8H	-6.7	-6.5	-6.2	-5.9	-5.3	-7.9	-7.6	-7.3	-7.1	-6.5

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 0.75								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.87	0.93	0.97	1.00	1.03	1.06	1.08	1.10	1.11
	0.30		0.82	0.89	0.93	0.96	1.00	1.03	1.05	1.08	1.09
	0.20		0.79	0.86	0.90	0.93	0.98	1.01	1.03	1.06	1.08
0.50	0.50	0.20	0.85	0.91	0.95	0.97	1.00	1.03	1.04	1.06	1.07
	0.30		0.81	0.88	0.91	0.94	0.98	1.00	1.02	1.04	1.05
	0.20		0.79	0.85	0.89	0.92	0.96	0.98	1.00	1.03	1.04
0.30	0.50	0.20	0.84	0.89	0.93	0.95	0.98	0.99	1.00	1.02	1.03
	0.30		0.81	0.86	0.90	0.92	0.96	0.98	0.99	1.01	1.02
	0.20		0.78	0.84	0.88	0.90	0.94	0.96	0.98	1.00	1.01
0.00	0.00	0.00	0.77	0.82	0.85	0.88	0.90	0.92	0.93	0.95	0.96

Rating:10W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 0.75								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.55	0.44	0.37	0.32	0.25	0.21	0.17	0.13	0.11
	0.30		0.46	0.37	0.32	0.28	0.22	0.19	0.16	0.13	0.10
	0.20		0.39	0.33	0.28	0.25	0.20	0.17	0.15	0.12	0.10
0.50	0.50	0.20	0.52	0.41	0.34	0.29	0.23	0.23	0.16	0.12	0.10
	0.30		0.44	0.36	0.30	0.26	0.21	0.17	0.15	0.11	0.09
	0.20		0.38	0.31	0.27	0.24	0.19	0.16	0.14	0.11	0.09
0.30	0.50	0.20	0.49	0.38	0.32	0.27	0.21	0.17	0.14	0.11	0.09
	0.30		0.42	0.34	0.28	0.24	0.19	0.16	0.14	0.11	0.09
	0.20		0.37	0.30	0.26	0.22	0.18	0.15	0.13	0.10	0.08
0.00	0.00	0.00	0.23	0.17	0.14	0.12	0.09	0.07	0.06	0.05	0.04

Rating:10W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 0.75								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.14	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.22
	0.30		0.10	0.12	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.08	0.10	0.11	0.13	0.15	0.16	0.17	0.19	0.20
0.50	0.50	0.20	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.21
	0.30		0.10	0.12	0.13	0.15	0.16	0.17	0.18	0.19	0.20
	0.20		0.07	0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.19
0.30	0.50	0.20	0.13	0.15	0.16	0.16	0.18	0.19	0.19	0.20	0.20
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.19
	0.20		0.07	0.09	0.11	0.12	0.14	0.15	0.16	0.18	0.19
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

Rating:10W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	923.8	0.9	0.9	0.12	0.12
1.0-2.0	926.3	2.7	3.5	0.36	0.48
2.0-3.0	930.9	4.5	8.0	0.61	1.09
3.0-4.0	937.2	6.3	14.3	0.85	1.94
4.0-5.0	944.6	8.1	22.4	1.11	3.05
5.0-6.0	952.6	10.0	32.4	1.36	4.42
6.0-7.0	959.9	11.9	44.3	1.62	6.04
7.0-8.0	965.5	13.8	58.1	1.88	7.92
8.0-9.0	968.1	15.7	73.8	2.14	10.06
9.0-10.0	966.7	17.5	91.3	2.38	12.45
10.0-11.0	960.3	19.2	110.5	2.62	15.06
11.0-12.0	948.8	20.7	131.3	2.83	17.89
12.0-13.0	932.8	22.1	153.4	3.02	20.90
13.0-14.0	913.6	23.4	176.8	3.19	24.09
14.0-15.0	892.6	24.5	201.3	3.34	27.43
15.0-16.0	871.7	25.5	226.9	3.48	30.91
16.0-17.0	852.0	26.5	253.4	3.62	34.53
17.0-18.0	833.1	27.5	280.9	3.74	38.27
18.0-19.0	814.7	28.3	309.2	3.86	42.13
19.0-20.0	796.1	29.1	338.3	3.97	46.10
20.0-21.0	776.1	29.8	368.2	4.06	50.16
21.0-22.0	753.2	30.3	398.4	4.12	54.29
22.0-23.0	726.3	30.5	428.9	4.15	58.44
23.0-24.0	694.5	30.4	459.3	4.14	62.58
24.0-25.0	656.3	29.8	489.1	4.07	66.65
25.0-26.0	611.1	28.9	518.0	3.93	70.58
26.0-27.0	558.9	27.3	545.3	3.73	74.31
27.0-28.0	500.4	25.3	570.7	3.45	77.76
28.0-29.0	438.8	23.0	593.6	3.13	80.89
29.0-30.0	377.2	20.4	614.0	2.78	83.66
30.0-31.0	318.2	17.7	631.7	2.41	86.08
31.0-32.0	264.7	15.2	646.9	2.07	88.14
32.0-33.0	218.1	12.8	659.7	1.75	89.89
33.0-34.0	178.3	10.8	670.5	1.47	91.36
34.0-35.0	145.3	9.0	679.5	1.23	92.59
35.0-36.0	118.2	7.5	687.1	1.03	93.62

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	95.8	6.3	693.3	0.85	94.47
37.0-38.0	77.3	5.2	698.5	0.70	95.17
38.0-39.0	62.0	4.2	702.7	0.58	95.75
39.0-40.0	49.6	3.5	706.2	0.47	96.22
40.0-41.0	39.3	2.8	709.0	0.38	96.60
41.0-42.0	31.2	2.3	711.2	0.31	96.91
42.0-43.0	24.7	1.8	713.1	0.25	97.16
43.0-44.0	19.6	1.5	714.5	0.20	97.36
44.0-45.0	15.6	1.2	715.7	0.16	97.53
45.0-46.0	12.4	1.0	716.7	0.13	97.66
46.0-47.0	10.0	0.8	717.5	0.11	97.77
47.0-48.0	8.1	0.7	718.2	0.09	97.86
48.0-49.0	6.6	0.5	718.7	0.07	97.93
49.0-50.0	5.4	0.4	719.1	0.06	97.99
50.0-51.0	4.4	0.4	719.5	0.05	98.04
51.0-52.0	3.6	0.3	719.8	0.04	98.08
52.0-53.0	2.9	0.3	720.1	0.03	98.12
53.0-54.0	2.4	0.2	720.3	0.03	98.15
54.0-55.0	1.9	0.2	720.5	0.02	98.17
55.0-56.0	1.6	0.1	720.6	0.02	98.19
56.0-57.0	1.3	0.1	720.7	0.02	98.21
57.0-58.0	1.0	0.1	720.8	0.01	98.22
58.0-59.0	0.8	0.1	720.9	0.01	98.23
59.0-60.0	0.7	0.1	721.0	0.01	98.24
60.0-61.0	0.7	0.1	721.0	0.01	98.25
61.0-62.0	0.6	0.1	721.1	0.01	98.26
62.0-63.0	0.6	0.1	721.1	0.01	98.26
63.0-64.0	0.6	0.1	721.2	0.01	98.27
64.0-65.0	0.6	0.1	721.3	0.01	98.28
65.0-66.0	0.6	0.1	721.3	0.01	98.29
66.0-67.0	0.6	0.1	721.4	0.01	98.30
67.0-68.0	0.6	0.1	721.5	0.01	98.31
68.0-69.0	0.6	0.1	721.5	0.01	98.31
69.0-70.0	0.6	0.1	721.6	0.01	98.32
70.0-71.0	0.6	0.1	721.6	0.01	98.33
71.0-72.0	0.6	0.1	721.7	0.01	98.34

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	0.6	0.1	721.8	0.01	98.35
73.0-74.0	0.6	0.1	721.8	0.01	98.36
74.0-75.0	0.6	0.1	721.9	0.01	98.37
75.0-76.0	0.6	0.1	722.0	0.01	98.37
76.0-77.0	0.6	0.1	722.0	0.01	98.38
77.0-78.0	0.6	0.1	722.1	0.01	98.39
78.0-79.0	0.6	0.1	722.1	0.01	98.40
79.0-80.0	0.6	0.1	722.2	0.01	98.41
80.0-81.0	0.6	0.1	722.3	0.01	98.42
81.0-82.0	0.6	0.1	722.3	0.01	98.43
82.0-83.0	0.6	0.1	722.4	0.01	98.44
83.0-84.0	0.6	0.1	722.5	0.01	98.44
84.0-85.0	0.6	0.1	722.5	0.01	98.45
85.0-86.0	0.6	0.1	722.6	0.01	98.46
86.0-87.0	0.6	0.1	722.7	0.01	98.47
87.0-88.0	0.6	0.1	722.7	0.01	98.48
88.0-89.0	0.6	0.1	722.8	0.01	98.49
89.0-90.0	0.6	0.1	722.8	0.01	98.50
90.0-91.0	0.6	0.1	722.9	0.01	98.50
91.0-92.0	0.6	0.1	723.0	0.01	98.51
92.0-93.0	0.6	0.1	723.0	0.01	98.52
93.0-94.0	0.5	0.1	723.1	0.01	98.53
94.0-95.0	0.6	0.1	723.1	0.01	98.54
95.0-96.0	0.6	0.1	723.2	0.01	98.54
96.0-97.0	0.5	0.1	723.3	0.01	98.55
97.0-98.0	0.5	0.1	723.3	0.01	98.56
98.0-99.0	0.6	0.1	723.4	0.01	98.57
99.0-100.0	0.6	0.1	723.4	0.01	98.58
100.0-101.0	0.6	0.1	723.5	0.01	98.59
101.0-102.0	0.6	0.1	723.6	0.01	98.59
102.0-103.0	0.6	0.1	723.6	0.01	98.60
103.0-104.0	0.6	0.1	723.7	0.01	98.61
104.0-105.0	0.6	0.1	723.7	0.01	98.62
105.0-106.0	0.6	0.1	723.8	0.01	98.63
106.0-107.0	0.6	0.1	723.9	0.01	98.64
107.0-108.0	0.6	0.1	723.9	0.01	98.64

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.6	0.1	724.0	0.01	98.65
109.0-110.0	0.6	0.1	724.1	0.01	98.66
110.0-111.0	0.6	0.1	724.1	0.01	98.67
111.0-112.0	0.6	0.1	724.2	0.01	98.68
112.0-113.0	0.7	0.1	724.3	0.01	98.69
113.0-114.0	0.7	0.1	724.3	0.01	98.70
114.0-115.0	0.7	0.1	724.4	0.01	98.71
115.0-116.0	0.8	0.1	724.5	0.01	98.72
116.0-117.0	0.8	0.1	724.5	0.01	98.73
117.0-118.0	0.8	0.1	724.6	0.01	98.74
118.0-119.0	0.9	0.1	724.7	0.01	98.75
119.0-120.0	0.9	0.1	724.8	0.01	98.76
120.0-121.0	1.0	0.1	724.9	0.01	98.77
121.0-122.0	1.0	0.1	725.0	0.01	98.79
122.0-123.0	1.1	0.1	725.1	0.01	98.80
123.0-124.0	1.1	0.1	725.2	0.01	98.82
124.0-125.0	1.2	0.1	725.3	0.02	98.83
125.0-126.0	1.3	0.1	725.4	0.02	98.85
126.0-127.0	1.4	0.1	725.5	0.02	98.86
127.0-128.0	1.5	0.1	725.7	0.02	98.88
128.0-129.0	1.5	0.1	725.8	0.02	98.90
129.0-130.0	1.6	0.1	725.9	0.02	98.92
130.0-131.0	1.7	0.1	726.1	0.02	98.94
131.0-132.0	1.8	0.2	726.2	0.02	98.96
132.0-133.0	1.9	0.2	726.4	0.02	98.98
133.0-134.0	2.0	0.2	726.5	0.02	99.00
134.0-135.0	2.1	0.2	726.7	0.02	99.02
135.0-136.0	2.3	0.2	726.9	0.02	99.05
136.0-137.0	2.4	0.2	727.1	0.02	99.07
137.0-138.0	2.5	0.2	727.3	0.02	99.10
138.0-139.0	2.6	0.2	727.4	0.03	99.12
139.0-140.0	2.7	0.2	727.6	0.03	99.15
140.0-141.0	2.8	0.2	727.8	0.03	99.18
141.0-142.0	3.0	0.2	728.0	0.03	99.20
142.0-143.0	3.1	0.2	728.2	0.03	99.23
143.0-144.0	3.2	0.2	728.4	0.03	99.26

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	3.3	0.2	728.7	0.03	99.29
145.0-146.0	3.4	0.2	728.9	0.03	99.32
146.0-147.0	3.5	0.2	729.1	0.03	99.35
147.0-148.0	3.7	0.2	729.3	0.03	99.38
148.0-149.0	3.8	0.2	729.5	0.03	99.40
149.0-150.0	3.9	0.2	729.7	0.03	99.43
150.0-151.0	4.0	0.2	729.9	0.03	99.46
151.0-152.0	4.1	0.2	730.2	0.03	99.49
152.0-153.0	4.2	0.2	730.4	0.03	99.52
153.0-154.0	4.3	0.2	730.6	0.03	99.55
154.0-155.0	4.4	0.2	730.8	0.03	99.58
155.0-156.0	4.5	0.2	731.0	0.03	99.61
156.0-157.0	4.6	0.2	731.2	0.03	99.63
157.0-158.0	4.7	0.2	731.4	0.03	99.66
158.0-159.0	4.8	0.2	731.6	0.03	99.69
159.0-160.0	4.9	0.2	731.8	0.03	99.71
160.0-161.0	5.0	0.2	732.0	0.02	99.74
161.0-162.0	5.1	0.2	732.1	0.02	99.76
162.0-163.0	5.2	0.2	732.3	0.02	99.79
163.0-164.0	5.3	0.2	732.5	0.02	99.81
164.0-165.0	5.4	0.2	732.6	0.02	99.83
165.0-166.0	5.4	0.1	732.8	0.02	99.85
166.0-167.0	5.5	0.1	732.9	0.02	99.87
167.0-168.0	5.6	0.1	733.1	0.02	99.89
168.0-169.0	5.7	0.1	733.2	0.02	99.90
169.0-170.0	5.8	0.1	733.3	0.02	99.92
170.0-171.0	5.9	0.1	733.4	0.01	99.94
171.0-172.0	6.0	0.1	733.5	0.01	99.95
172.0-173.0	6.1	0.1	733.6	0.01	99.96
173.0-174.0	6.1	0.1	733.7	0.01	99.97
174.0-175.0	6.2	0.1	733.7	0.01	99.98
175.0-176.0	6.2	0.1	733.8	0.01	99.99
176.0-177.0	6.3	0.0	733.8	0.01	99.99
177.0-178.0	6.3	0.0	733.9	0.00	100.00
178.0-179.0	6.4	0.0	733.9	0.00	100.00
179.0-180.0	6.4	0.0	733.9	0.00	100.00

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector: